

EAST Search History**EAST Search History (Prior Art)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	"10581189"	US_PGPUB; USPAT; USCCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2010/05/10 09:29
S2	6	(("20020116919") or ("4454846") or ("5784880")).PN.	US_PGPUB; USPAT; USCCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/05/10 09:39
S3	107	@pd<"20031202" and 60/273,274,276,284,285,286,290,294,295,299,300,301,303. ccls. and (preliminary or early or close coupled) near4 (catalyst or catalytic) and (oxygen or "O2" or "o.sub.2" or air-fuel or air fuel or air/fuel or lambda or hego) near5 (sensor or probe) and lean and rich	US_PGPUB; USPAT; USCCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2010/05/11 11:11
S4	122	@pd<"20031202" and 60/273,274,276,284,285,286,290,294,295,299,300,301,303. ccls. and (preliminary or early or close coupled) near4 (catalyst or catalytic) and (oxygen or "O2" or "o.sub.2" or air-fuel or air fuel or air/fuel or lambda or hego) near5 (sensor or probe) and lean and (less near2 lean or more near2 rich or (increase or decrease) near4 oxygen or ratio)	US_PGPUB; USPAT; USCCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2010/05/11 11:18
S5	104	@pd<"20031202" and 60/273,274,276,284,285,286,290,294,295,299,300,301,303. ccls. and (preliminary or early or close coupled) near4 (catalyst or catalytic) and (oxygen or "O2" or "o.sub.2" or air-fuel or air fuel or air/fuel or lambda or hego) near5 (sensor or probe) and lean and (less near2 lean or more near2 rich or (increase or decrease) near4 oxygen or ratio) and rich	US_PGPUB; USPAT; USCCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2010/05/11 11:19

S6	:84	(Nakagawa near2 Norihisa or Akiyoshi near2 Asuka) and (catalyst or catalytic)	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2010/05/11 11:20
S7	:60	(Nakagawa near2 Norihisa or Akiyoshi near2 Asuka) and (catalyst or catalytic) and (oxygen or "O2" or "o.sub.2" or air-fuel or air fuel or air/fuel or lambda or hego) near5 (sensor or probe)	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2010/05/11 11:28
S8	:25	(Nakagawa near2 Norihisa or Akiyoshi near2 Asuka) and (catalyst or catalytic) and (oxygen or "O2" or "o.sub.2" or air-fuel or air fuel or air/fuel or lambda or hego) near5 (sensor or probe) and lean and rich	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2010/05/11 11:29
S9	:2	@pd<"20031202" and (Nakagawa near2 Norihisa or Akiyoshi near2 Asuka) and (catalyst or catalytic) and (oxygen or "O2" or "o.sub.2" or air-fuel or air fuel or air/fuel or lambda or hego) near5 (sensor or probe) and lean and rich	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2010/05/11 11:30
S10	:4	("20070156322" "4320726" "4391240" "6694956").PN. OR ("7349791").URPN.	US_PGPUB; USPAT; USOCR	ADJ	OFF	2010/05/11 11:38
S11	:9	("5115639" "5228286" "5319921" "6018945" "6502389" "6668813" "6941745").PN. OR ("7159388").URPN.	US_PGPUB; USPAT; USOCR	ADJ	OFF	2010/05/11 11:39
S18	:8	("5475975" "5762055" "5901691" "6619277" "7013873" "7032374" "7159388").PN. OR ("7278394").URPN.	US_PGPUB; USPAT; USOCR	ADJ	OFF	2010/05/11 11:41
S19	:13	("20030150208" "5509267" "5609023" "5678402" "5842340" "5901552" "5974788" "6216450" "6374596" "6546719" "6553754" "6622478" "6751947").PN.	US_PGPUB; USPAT; USOCR	ADJ	OFF	2010/05/11 11:47
S20	:36	("5099647" "5127225" "5159810" "5426934").PN. OR ("5509267").URPN.	US_PGPUB; USPAT; USOCR	ADJ	OFF	2010/05/11 11:55
S21	:34	("5279115" "5345911" "5414996" "5509267" "5678402" "5740676" "5937638" "597070" "6116021" "6138453" "6145304" "6185929" "6253541" "6256981" "6256983" "6336320" "6345498" "6477833" "6494038" "6519932" "6539707" "6619032" "6622478" "6629409" "6637194" "6655129" "6672053" "6718754" "6739122" "6751947" "6751950" "6850165" "6915628" "6976356").PN.	US_PGPUB; USPAT; USOCR	ADJ	OFF	2010/05/11 11:57

S22	17	(US-20030150208-\$).did. or (US-7349791-\$ or US-7159388-\$ or US-7059120-\$ or US-6619277-\$ or US-6941745-\$ or US-6668813-\$ or US-5228286-\$ or US-6622478-\$ or US-6553754-\$ or US-6374596-\$ or US-5901552-\$ or US-7165389-\$ or US-6915628-\$ or US-6751950-\$ or US-6672053-\$ or US-6539707-\$).did.	US_PGPUB; USPAT	ADJ	OFF	2010/05/11 12:13
S23	8	S22 and idle	US_PGPUB; USPAT; USCCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2010/05/11 12:13
S24	2	("20060053537").PN.	US_PGPUB; USPAT; USCCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/05/11 14:02
S25	86	@pd<"20031202" and 60/273,274,276,284,285,286,290,294,295,299,300,301,303, ccls. and (preliminary or early or close coupled or pup or start) near4 (catalyst or catalytic or converter) and (oxygen or "O2" or "o.sub.2" or air-fuel or air fuel or air/fuel or lambda or hego) near5 (sensor or probe) and first near5 (lean or lean air-fuel or air fuel or air/fuel) and second near5 (lean or lean air-fuel or air fuel or air/fuel) and rich	US_PGPUB; USPAT; USCCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2010/05/11 14:58
S26	78	@pd<"20031202" and 60/273,274,276,284,285,286,290,294,295,299,300,301,303, ccls. and (preliminary or early or close coupled or pup or start) near4 (catalyst or catalytic or converter) and (oxygen or "O2" or "o.sub.2" or air-fuel or air fuel or air/fuel or lambda or hego) near5 (sensor or probe) and first near5 (lean or lean air-fuel or air fuel or air/fuel) and second near5 (lean or lean air-fuel or air fuel or air/fuel) and rich and (downstream or under floor or underfloor or under-floor) near6 (catalyst or catalytic)	US_PGPUB; USPAT; USCCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2010/05/11 14:59
S27	4	("2003049681").PN.	US_PGPUB; USPAT; USCCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/05/11 15:52
S28	1	2003-305572.NRAN.	DERWENT	ADJ	OFF	2010/05/11 15:53

S29	2	("0218034").PN.	US_PGPUB; USPAT; USCCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/05/11 16:00
S30	0	("wo218034").PN.	US_PGPUB; USPAT; USCCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/05/11 16:00
S31	3	"0218034"	US_PGPUB; USPAT; USCCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2010/05/11 16:00
S32	1	2002-339645.NRAN.	DERWENT	ADJ	OFF	2010/05/11 16:00
S33	3	((("6199373") or ("5974788")).PN.	US_PGPUB; USPAT; USCCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/05/12 09:03
S34	21	(US-20030150208-\$ or US-20030213233-\$).did. or (US-7349791-\$ or US-7159388-\$ or US-7059120-\$ or US-6619277-\$ or US-6941745-\$ or US-6668813-\$ or US-5228286-\$ or US-6622478-\$ or US-6553754-\$ or US-6374596-\$ or US-5901552-\$ or US-7165389-\$ or US-6915628-\$ or US-6751950-\$ or US-6672053-\$ or US-6539707-\$ or US-6477833-\$ or US-6311482-\$ or US-6199373-\$).did.	US_PGPUB; USPAT	ADJ	OFF	2010/05/12 09:12
S35	9	S34 and idle	US_PGPUB; USPAT; USCCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2010/05/12 09:12

EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp

L3	0	(intermediate lean).clm. and (60/277,284,286,301.ccls.)	US-PGPUB; USPAT; UPAD	ADJ	OFF	2010/05/13 10:42
L4	0	(intermediate lean).clm. and (60/277,284,286,301,285.ccls.)	US-PGPUB; USPAT; UPAD	ADJ	OFF	2010/05/13 10:42
L5	0	(intermediate lean).clm. and (60/285.ccls.)	US-PGPUB; USPAT; UPAD	ADJ	OFF	2010/05/13 10:43
L7	0	(intermediate lean).clm. and (60/277,284,286,301,285.ccls. or 123/372.ccls.)	US-PGPUB; USPAT; UPAD	ADJ	OFF	2010/05/13 10:44
L8	1	(intermediate lean).clm. and (60/277,284,286,301,285.ccls. or 123/672.ccls.)	US-PGPUB; USPAT; UPAD	ADJ	OFF	2010/05/13 10:44

5/13/2010 10:55:36 AM

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